



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCES
POP EXAMINATION 2022_2

COURSE CODE: ESM304

TIME: ALLOWED: 2HRS

COURSE TITLE: RESEARCH METHODS AND FIELD TRIP

CREDIT UNIT: 2

Instruction: Attempt question number ONE (1) and any other TWO (2) questions. Question number one (1) carries 30marks, while the other questions carry (20) marks each.

1a. As an environmentalist, design a research question that answer solid waste disposal problem in your environment (15marks)

1b. How do you know a researchable question (5marks)

1c. list any 10 research instruments (5marks)

2a. Discuss the perspectives which research can be classified (7.5marks)

2b. Discuss the 3 essential chapters that constitute the research proposal (7.5marks)

3a. Describe how an abstract should look like (10marks)

3b. What are the essentials of an abstract (5marks)

4. Write detail note on all of the following concepts

a. Methodology (5marks)

b. Literature Review (5marks)

c. Results (5mark)

5a. Differentiate between pure and applied research (8marks)

5b. Justify why any of the above research proposal after research is preferable used with examples in environmental science (7marks)

6a. What happens to a research proposal after a research work has been completed (10marks)

6b. Justify if field trip is a research work or not (5marks)